L 1427-64 EWT(m)/BDS ASD/AFFTC
ACCESSION NR: AP3003192 P/0053/63/000/05-/0343/0347

AUTHOR: Zak, Wieslaw

TITLE: Operational data of Polish one window Geiger-Muller alcohol counters

SOURCE: Przeglad elektroniki, no. 5-6, 1963, 343-347

TOPIC TAGS: Geiger-Muller counter, Geiger counter quenching system, one window alcohol counter

TRANSLATION: In order to study the deterioration of measuring equipment caused by radiation detectors after a relatively short operation time, Polish one-window alcohol counters of the BAT-25 (BAN-55, AAH-55, etc.) type were used as radiation detectors with and without a quenching system. To define the rate and nature of the parameter changes of the measuring equipment with and without a quenching system, the relationship between the number of counts and the control preparation was determined as a function of the operation time. The use of a quenching system not only improved the characteristics of the counters, but also increased their life span considerably. However, the use of an extinguishing system is

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ACCESSION NR: AP3003192

not ideal since the electron-measuring apparatus must be extended. Orig. art. has: 7 figures and 1 table.

ASSOCIATION: Instytut Badan Jadrowych, Dzial Dozymetrii (Institute of Nuclear Research, Dosimetry Division)

SUBMITTED: 00	DATE ACQ: 23Jul63	ENCL: 00
SUB CODE: GE, PH	NO REF SOV: 000	OTHER: 000

Card 2/2

ZAK, Ye. B. and MARTENKO, O. V.

"Structure of the Lower Limit of Cloud Cover," Trudy Tsentral'noy Aerologicheskoy Observatorii, No.7, pp 3-15, 1952

Translation M-1084, 25 Apr 56

ZAK, E. G.

Kharakteristika frontal'noi oblachnosti po dannym samoletnykh pod"emov. (Meteorologiia i gidrologiia, 1937, no. 8, p. 15-28, diagrs.)
Title tr.: Characteristics of frontal cloudiness from data obtained by aircraft ascensions.

QC851.M27 1937

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

ZAK, Ye. G.

"Microstructure of Frontal Clouds," Meteorol. i Gidrol., No.6, 1949

ZAK, Ye. G.

"Frontal Cloud Systems," Trudy NIU GUGMS (Transactions of the Scientific Research Inst. of the Main Admin. of the Hydrometeorological Service), Series II, No.14, 1946

ZAK, Wieslaw

Studies on the operational effectiveness of Polish-made Geiger-Muller counters. Przegl elektroniki 4 no. 5/6: 343-347 My-Je '63.

1. Instytut Badan Jadrowych, Dzial Dozymetrii, Warszawa.

MAIKINA, A.D.; ZAK, Ye.G.

Freezing process in drops of liquds. Trudy TSAO no.9:61-76 '52.
(Drops) (Phase rule ani equilibrium) (MIRA 11:6)

ZAK, Ye.G.; SMEZHINSKAYA, I.V., redaktor; BRAYNINA, M.I., tekhnicheskiy redaktor.

Experimental study of cloud systems of a warm front. Trudy TsAO no.15:4-191 '56. (MLRA 9:8)

(Clouds)

20-2-39/60

AUTHORS: Voskresenskaya, N. P. , Zak, Ye. G.

TITLE: On Oxygen Absorption by Plant Leaves in Various Spectral Regions (O pogloshchenii kisloroda list'yami rasteniy v raznykh uchastkakh spektra)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 2, pp. 375-378 (USSR)

ABSTRACT: Absorption of CO_2 carbon into different organic compounds in accordance with the processes of photosynthesis is not equal for the short-wave range and the long-wave range of the spectrum of physiological radiation. Some indirect data suggest as cause for this the change in the oxidation-reduction regime of the photosynthesizing cells under different conditions of exposure. The intensification of the synthesis of albumen and of amino acids, the accumulation of organic acids during experiments of long duration, and the shift of the points of compensation of the photosynthesis into the direction of stronger exposure to light in the short-wave radiation range permit the assumption that under these conditions

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On Oxygen Absorption by Plant Leaves in Various Spectral Regions

the intensification of the process of oxidation takes place which can be connected with the activation of the absorption of oxygen by the leaf. The paper under review describes an attempt of directly measuring the velocity of absorption of oxygen by the leaves under short-wave and long-wave radiation: 400 - 500 m ("blue light") and 580 - 700 m ("red light"). The comparison of the activities of absorption was conducted (also in darkness) manometrically with the aid of the Warburg apparatus at 25°. For purposes of a direct determination of the velocity of absorption, the photosynthesis would have to be eliminated; such an elimination by application of poisons has not been entirely successful. Therefore the authors of the paper under review carried out their investigations with ethiolated material as well as with such spots of the plant forms that were free of chlorophyll. On basis of the results obtained it is possible to speak of the existence of differences in the oxidizing-reducing regime of the leaves if they are exposed to long-wave or short-wave light. These differences manifested themselves as different velocities of absorption of oxygen. It appears that the carotinoids and endoxidases (flavoproteins) as

On Oxygen Absorption by Plant Leaves in Various Spectral Regions

well as the cytochrome system were responsible for the increase in absorption. Although these results were obtained with regard to parts of leaves that were not green, this may hold valid also for green leaves. Thus it can be assumed that the intensification of the absorption of oxygen at exposure to blue light is based on this photochemical reaction, i.e. on the absorption of light of this sector by the photoactive ferments of the breathing systems, together with the carotinoids. As results of the photochemical reaction that yields additional energy to the above systems, they must be activated . In the case investigated by the authors of the present paper, this circumstance probably favored the intensification of absorption by the cell both of the atmospheric oxygen as well as of the oxygen produced during the process of the photosynthesis. There are 1 figure, 4 tables, and 14 references, 7 of which are Slavic.

20-2-39/60

On Oxygen Absorption by Plant Leaves in Various Spectral Regions

ASSOCIATION: Institute of Plant Physiology im. K. A. Timiryazev, AS USSR (Institut fiziologii rasteniy imeni K. A. Timiryazeva Akademii nauk SSSR)

PRESENTED: March 5, 1957, by A. L. Kursanov, Academician

SUBMITTED: March 5, 1957

AVAILABLE: Library of Congress

Card 4/4

TSAIK, Ye. G.

3(7) PHASE I BOOK EXPLOITATION SOV/2442

Tsentral'naya aerologicheskaya observatoriya

Trudy, vyp. 19 (Transactions of the Central Aerological Observatory, Nr 19) Moscow, Gidrometeoizdat, 1958. 104 p. 1,000 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Ed. (Title page): A. Kh. Khrgian; Ed. (Inside book): L. V. Blinnikov; T. Ye. Zemtsova.

PURPOSE: This collection of articles is intended for meteorologists and aerologists.

COVERAGE: These articles are studies in the physics of clouds and precipitation and in the techniques of controlling these phenomena. The papers contain information on the characteristics of the microstructure - the water content of clouds and the properties and processes in the build-up of cumulonimbus clouds, as studied by radar. Artificial fog dispersion through the formation of snow crystals is described as is a new theory for the formation of crystalline nuclei near strongly cooled bodies. A chamber for studying the formation dispersion of fogs and their optical properties is also described.

Card 1/2

Transactions of the Central Aerological Observatory (Cont.) SOV/2442

There are 29 references: 19 Soviet, 8 English, and 2 French.

TABLE OF CONTENTS;

AVAILABLE: Library of Congress

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MM/mg
10-5-59

ZAK, Ye. G.

PHASE I BOOK EXPLOITATION SOV/5852

Borovikov, Aleksandr Moiseyevich, Ivan Ivanovich Gayvoronskiy, Yelizaveta Germanovna Zak, Vadim Vladimirovich Kostarev, Il'ya Pavlovich Mazin, Vladislav Yevgen'yevich Minervin, Aleksandr Khristoforovich Khrgian, and Solomon Moiseyevich Shmeter

Fizika oblakov (Cloud Physics) Leningrad, Gidrometeoizdat, 1961. 458 p. 5000 copies printed.

Ed. (Title page): A. Kh. Khrgian; Ed.: V. S. Protopopov; Tech. Ed.: M. I. Braynina and O. G. Vladimirov.

PURPOSE: This book is intended for meteorologists and for specialists in forecasting service and aviation.

COVERAGE: The book describes modern methods of studying the development, structure and origin of clouds. Special attention has been given to the forma-

Card [redacted]

tion of microscopic elements in clouds. The macroscopic properties of clouds are also studied in detail. Their position in space, motion, as well as their connection with thermodynamic structure of the atmosphere, general circulation, cyclonic activity, etc. are investigated. Flying in clouds is briefly discussed. One chapter deals with cloud modification and seeding. The book is based on Soviet and non-Soviet sources. Ch. I was written by Ye. G. Zak and I. P. Mazin; Ch. II, by A. M. Borovikov, V. Ye. Minervin, A. Kh. Khrgian and S. M. Shmeter; Ch. III, V, and VI, by A. Kh. Khrgian; Ch. IV, by A. Kh. Khrgian and S. M. Shmeter; Ch. VII, by Ye. G. Zak; Ch. VIII, by A. M. Borovikov; Ch. IX, by I. P. Mazin; Ch. X, by I. I. Gayvoronskiy; Ch. XI, by V. V. Kostarev, V. Ye. Minervin and A. Kh. Khrgian. The authors thank L. T. Matveyev and A. M. Baranov. There are 632 references: 274 English, 254 Soviet, 71 German, 30 French, 2 Hungarian and 1 Polish.

ZhAR, Ye.S.

Effect of molecular oxygen on the formation of amino acids during photosynthesis in Chlorella under various conditions of light. (MIRA 18:6)

1. Institut fiziologii rastenii imeni K.A. Timiryazeva AN SSSR, Moskva.

ZAK, Ye.G.; NICHIPOROVICH, A.A.

Paths of the formation of amino acids during photosynthesis.
Fiziol. rast. 11 no.6:945-950 N-D '64.
(MIRA 18:2)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

ZAK, Ye.G.

Temperature characteristics of high clouds. Trudy TSAO no.59:32-53 '64. (MIRA 17:10)

ZAK, Ye.G.; NICHIPOROVICH, A.A.

Formation of amino acids during photosynthesis, identification and degradation of glycine, alanine and serine. Fiziol. rast. 11 no.1:20-30 Ja-F '64. (MIRA 17:2)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

ZAK, Ye.G.

Methods of the cleavage of alanine, serine and glycine [with summary in English]. Fiziol. rast. 10 no.2:238-243 Mr-Ap '63. (MIRA 16:5)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR, Moskva.
(Alanine) (Serine) (Glycine)

ZAK, Ye.G.

Vertical distribution of clouds of the upper layer. Trudy TSAO no.39: 13-23 '62. (MIRA 15:6)

(Clouds)

ZAK, Ye.G.; CHERNEGA, L.G.

Spatial distribution of frontal clouds of the upper layer. Trudy TSAO no.39 [illegible]4-38 '62. (MIRA 15:6)
(Clouds)

ZAK, Yu.A.; RUVINSKIY, L.A.

Using the system of network planning in the woodpulp and paper industry. Bum. i der. prom. no.4:3-10 O-D '65.
(MIRA 18:12)

ZAK, Yu.I.; APOYAN, V.T.

Azygography in lung cancer. Trudy TSIU 62:78-89 '63.
(MIRA 18:3)

1. II kafedra klinicheskoy khirurgii (zav. prof. B.K.Osipov) TSentral'nogo instituta usovershenstvovaniya vrachey.

ZAK, Yu.I., dotsent; PERKIN, E.M., kand. med. nauk

Perforating cholecystitis. Trudy TSIU 66:183-192 '64. (MIRA 18:5)

ZAK, Yu.I., dotsent; [illegible]NOV, I.B., kand.med.nauk

Late results of surgical treatment in cholecystitis. Vest. khir. 93 no.12:29-32 D '64. (MIRA 18:5)

1. Iz 2-y kafedry klinicheskoy khirurgii (zav. - prof. B.K.Osipov) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor - M.D.Kovrigina).

ZAK, Yu.I.

Review of IU.V. Astrozhnikov's book "Acute surgical diseases of the organs of the abdominal cavity in elderly persons." Sov. med. 28 no.4:155-157 Ap '64. (MIRA 17:12)

ZAK, Yu.I., dotsent

Some problems in the surgical treatment of cholecystitis. Trudy TSIU 2:247-255 '61. (MIRA 15:8)

(GALL BLADDER--DISEASES)

ZAK, Z.; OSTROWSKI, W.

Preparation and properties of riboflavin flavoprotein of soluble fraction of egg yolk. Acta biochim. pol. 10 no.4: 427-441 '63.

1. Department of Physiological Chemistry, Medical School, Krakow.

(EGG YOLK) (RIBOFLAVIN) (PROTEINS) (CHEMISTRY)

ZAK, Z.; OSTROWSKI, W.

Preparation and properties of riboflavin flavoprotein of soluble fraction of egg yolk. Acta biochim. pol. 10 no.4: 427-441 '63.

1. Department of Physiological Chemistry, Medical School, Krakow.

(EGG YOLK) (RIBOFLAVIN) (PROTEINS) (CHEMISTRY)

ZAK, Z.

Polish Technical Abst.
No. 4, 1953
Chemistry and Chemical Technology

631.82:622.332

2443
Litynski T., Zulinski R., Zak Z. The Fertilizing Value of Polish Brown Coal.
Wartosc nawozowa krapjowego wegla brunatnego. Przemysl Chemiczny, No. 12, 1952, pp. 554-568, 3 figs., 4 tabs.
Since certain chemical difficulties may occur in the use of ammonia as a liquid nitrogen fertilizer the authors propose the use for this purpose of Polish brown coal saturated with ammonia. Properly prepared coal-ammonia products contain about 25% or 5% of ammonia; the entire quantity of nitrogen introduced with these preparations is available to plants, and in addition to the nitrogen a quantity of humus appears in a water-soluble form. Since humus stimulates the growth of plants, the fertilizing efficiency of coal-ammonia products may be higher than that of pure ammonia or of coal individually. This would make possible the introduction into agriculture of both ammonia and indigenous brown coal as crop improvers.

ZAK, Z.

Litynski, T.; Jurkowska, H.; Zak, Z. "Influence of Lignite on the Production of Citric Acid by Aspergillus Niger" p. 291 (Acta Microbiologica Polonica, Vol. 1, No. 4, 1952, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, March 1954, Uncl.

ZAK, Z.

ZAK, Z. Consumption of materials and analysis of the economical qualities of bridges with floors of reinforced concrete slabs. p. 318, Vol 4, no. 7, July 1956. INZENYRSKE STAVBY (Ministerstvo stavebnictvi) Praha, Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

SKARZYNSKI, B.; OSTROWSKI, W; NIEMIARDSKA, Z.; ZAK. Z.

Combination of vitamin B12 with proteins. II. Distribution of vitamin B12 in biological structures. Acta biochim.polon.2 no.2:115-127 1955.

1. Z Zakladu Chemii fizjologicznej AM w Krakowie. Kierownik: prof. dr B. Skarzynski.

(VITAMIN B12, metabolism,
binding withproteins)
(PROTEINS,
binding of vitamin B12)

ZAK, Z.D.

Indication of requirements for symmetric layout of elements.
Standartizatsiia 27 no.9:50-52 S '63. (MIRA 16:10)

28-3-21/33

AUTHOR: Zak, Z.D., Engineer

TITLE: Projected Standard for Drawing Sheet Formats (Proyekt standarta na formaty chertezhey)

PERIODICAL: Standartizatsiya, 1957, # 3, May-June, p 75-77 (USSR)

ABSTRACT: The projected standard for drawing sheet formats - to replace the existing ГОСТ 3450-52 - is to bring about better utilization of drawing paper, tracing paper and blueprint paper which is being produced by the paper industry in 834 x 1172 mm sheets or in rolls of 840 and 850 mm in width. The presently used, and the planned formats, are given. The number of presently used formats, for drawings as well as all other technical documents, is over 500. The new standard will cut this figure to 19. The formats used in Bulgaria, Czechoslovakia, Hungary, Germany, Rumania, Poland and other countries are mentioned.

There are 2 charts.

AVAILABLE: Library of Congress

Card 1/1

ZAK, Z.D.

Development of the drawings of technical variations. Standartizatsiia 27 no.5:34-40 My '63. (MIRA 16:6)

(Mechanical drawing)

AUTHORS: Zak, Z.D., and Malkin, D.M., Engineers 28-58-3-17/39

TITLE: Modern Requirements for a Drawing System (Sovremennyye trebovaniya k sisteme chertezhnogo khozyaystva)

PERIODICAL: Standartizatsiya, 1958, Nr 3, pp 50-56 (USSR)

ABSTRACT: The article treats problems of the development of a standard for a technical drawing system (Systema chertezhnogo khozyaystva, of "SChKh") on which Leningradskiy filial VPTI (Leningrad Branch of VPTI) is working, the draft of which has been issued for discussion. The authors criticize the project and state that it does not meet the problem and, in parts, complicates what must be simplified. There have been no standard rules for many technical details of drawings. As a result, different industry branches or even single plants used their own conventional signs and rules. The drawings cannot be used by others without considerable preliminary work. The experience of Soviet as well as foreign industry and the recommendations of ISO/TC 10 must be utilized for the new system. It must be correlated with the corresponding standards of the East Bloc countries. The Committee of Standards, Measures and Measuring Devices must organize a special technical committee which would work out a scientific

Card 1/2

Modern Requirements for a Drawing System 28-58-3-17/39

basis for the system. There is 1 Soviet reference.

Card 2/2 1. Drafting--Standards

COUNTRY : HUNGARY
CATEGORY : Chemical Technology. Chemical Products and Their Uses. Part 3. Processing of Natural* H
ABS. JOUR. : RZKhim., No. 1 1960, No. 2432

AUTHOR : Fyul, G.; Zakar, P.; Moses, G.
INST. : Hungarian Research Institute of Petroleum and** Natural Gas
TITLE : Explanation of Research Work on Bitumens in Hungary

ORIG. PUB. : Magyar Kem. Lapja, 1958, 13, No 10-12, 376-379

ABSTRACT : The article gives a review of research work on the production and application of bitumen, carried out at the Hungarian Research Institute of Petroleum and Natural Gas, particularly in view of producing, out of petroleum of the

*Gases and Petroleum. Motor and Rocket Fuels. Lubricants
**Natural Gas

CARD: 1/2

H-102

ZAK-LEPSKAYA, M. I.; KOVALEVA, V. M.; MILYAVSKAYA, Ts. M.

Measures taken for the control of helminthiasis in Kharkov. Med. parazit. i parazit. bol. 24 no.4:357-362 O-D '55. (MLRA 9:1)

1. Iz Khar'kovskoy gorodskoy protivomalyariynoy stantsii.
(HELMINTH INFECTIONS, prevention and control,
in Russia)

ZAK-LEPSKAYA, R.I.

VISHNEVSKAYA, S.K., kandidat meditsinskikh nauk; SURSOVA, N.A.; ZAK-LEPSKAYA, R.I.; DEYNEKO, M.P. (Kar'kov)

Sanitary helminthological condition of rivers in Kharkov. Vrach.delo no.11:1191-1193 N '56. (MLRA 10:3)
(KHARKOV--WATER--POLLUTION)
(WORMS, INTESTINAL AND PARASITIC)

ZAK-OGAZA, B.

POLAND / General and Specialized Zoology. Insects. Biology and Ecology. P

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78259

Author : Zak-Ogaza, Barbara
Inst :
Title : Chalcidae Parasites of the Coccid Family Lecaniidae (Hom., Coccidea), Part I

Orig Pub : Polskie pismo entomol., 1956 (1957), 26, No. 1-26, 249-259

Abstract : A checklist (14 species) of Chalcidae bred in Poland from 12 species of soft-scaled Lecaniidae. (13 species of Chalcidae were found in Poland for the first time.

Card 1/1

ZAKABLUKOVSKIY, N.G.

Effect of drilling conditions on the basic indices of the combination drilling method with sinker drills. Izv.Sib.otd.AN SSSR no.11:36-44 '58. (MIRA 12:2)

1. Zapadno-Sibirskiy filial AN SSSR.
(Boring)

ZAKABLUKOVSKIY, N. G., Candidate Tech Sci (diss) -- "Investigation of shock-rotary drilling with immersion hammers". Novosibirsk, 1959. 10 pp (Min Higher Educ USSR, Tomsk Orderof Labor Red Banner Polytech Inst im S. M. Kirov, Acad Sci USSR, Siberian Dept), 150 copies (KL, No 24, 1959, 136)

SAFRONOV, P., dotsent; ZAKABUNINA, M., kand.med.nauk

Armed with war gas. Voen.-sanit. 41 no.12:36 D '65.
(MIRA 18:12)

ZAKABUNINA, M.S.; GADASKINA, I.D., doktor biologicheskikh nauk, zaveduyushchaya; LAZAREV, N.V., professor, zasluzhennyy deyatel' nauki, nauchnyy rukovoditel'.

Effect of minimal doses of aniline applied to the skin of rabbits. Farm. i toks. 16 no.2:40-42 Mr-Ap '53. (MLRA 6:6)

1. Toksikologicheskaya laboratoriya Leningradskogo nauchno-issledovatel'skogo instituta gigieny truda i profzabolevaniy.
(Aniline--Physiological effect)

LAZAREV, N.V.; ALEKSANDROV, I.S.; LYUBLINA, Ye.I.; AKKERBERG, I.I.; KAKA-BUNINA, M.S.; GADASKINA, I.D.; DOBRYAKOVA, N.S.; KREPS, I.F.; KARPIN, V.M.; LEVINA, E.N.; DANISHEVSKIY, S.L.; YEGOROV, N.M.; RYLOVA, M.L., starshiy nauchnyy sotrudnik; KAMPOV, B.D.; ANDREYEV, V.V.; LYKHINA, Ye.T.; ZAMESHAYEVA, G.I.; ANISIMOV, A.N.; FRIDLYAND, I.G.; DANETSKAYA, O.L.; BOGOVSKIY, P.A.; TIUNOV, L.A.; MIKHEL'SON, M.Ya.; ABRAMOVA, Zh.I., GRIGOR'YEVA, L.M.; KLINSKAYA, K.S.

Third Leningrad conference on the problems of industrial toxicology. Farm.i toks. 16 no.2:59-62 Mr-Ap '53. (MLRA 6:6)
(Poisons)

ZAKABUNINA, M.S.

AID P - 3901

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 5/21

Author : Zakabunina, M. S., Aspirant

Title : On the toxicity of "Extralin"

Periodical : Gig. i. san., 12, 19-22, D 1955

Abstract : "Extralin" is a mixture of three amines: monomethyl aniline (87,6%), aniline (6,99%) and dimethyl aniline (4,43%) used for increasing the antiknock properties of fuels (mostly aircraft gasolines, GOST 3737-47). Describes tests on rabbits for determining the toxicity of this compound, and recommends special safety measures in handling it. Tables, diagrs. Bibliography.

Institution : Leningrad Scientific Research Institute of Industrial Hygiene and Occupational Diseases.

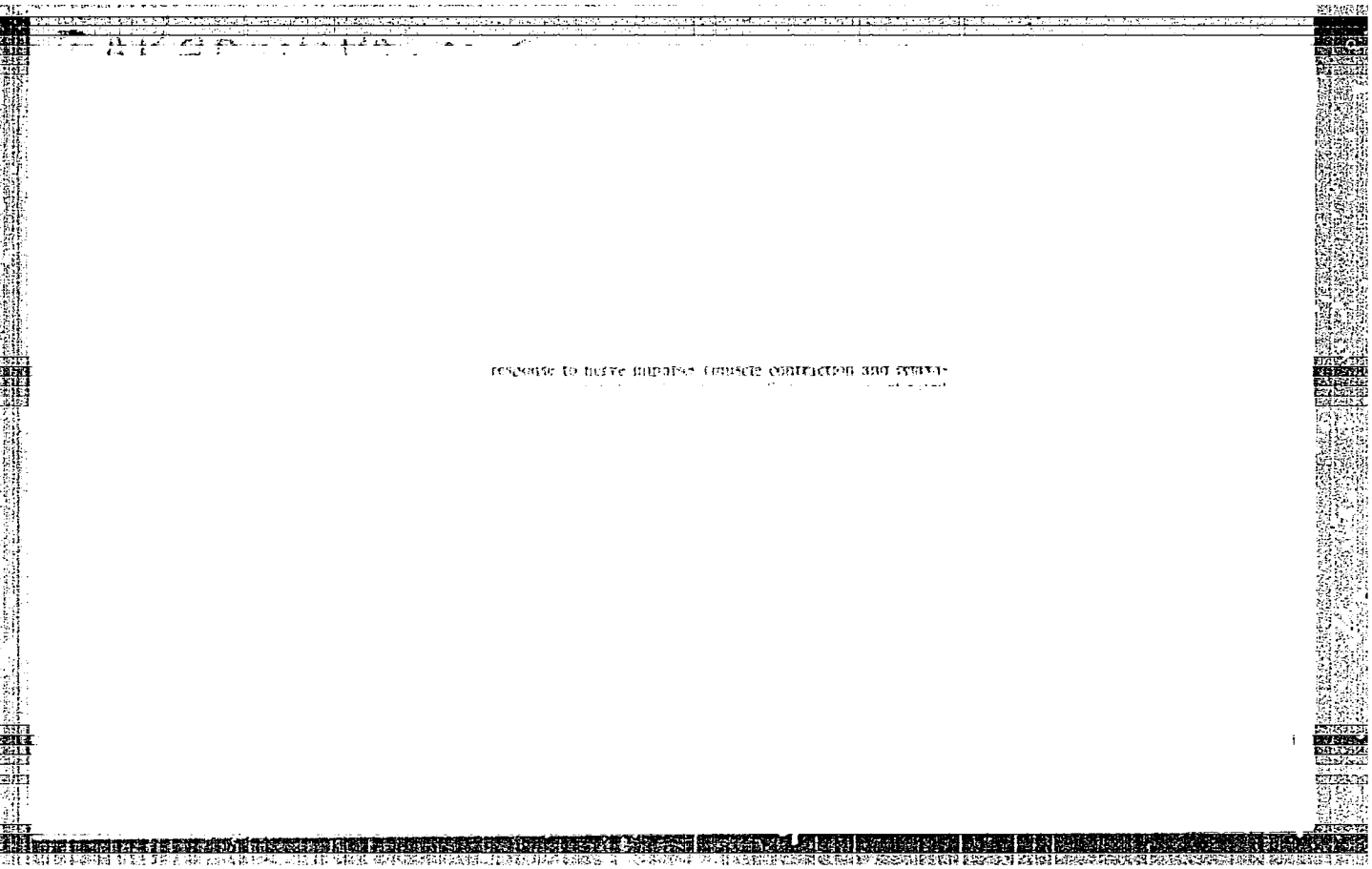
Submitted : S 29, 1954

ZAKABUNINA, M.S.

Minimum concentrations of aniline affecting the central nervous system in rabbits. Farm.i toks. 18 no.3:41-45 My-Je '55.
(MLRA 8:9)

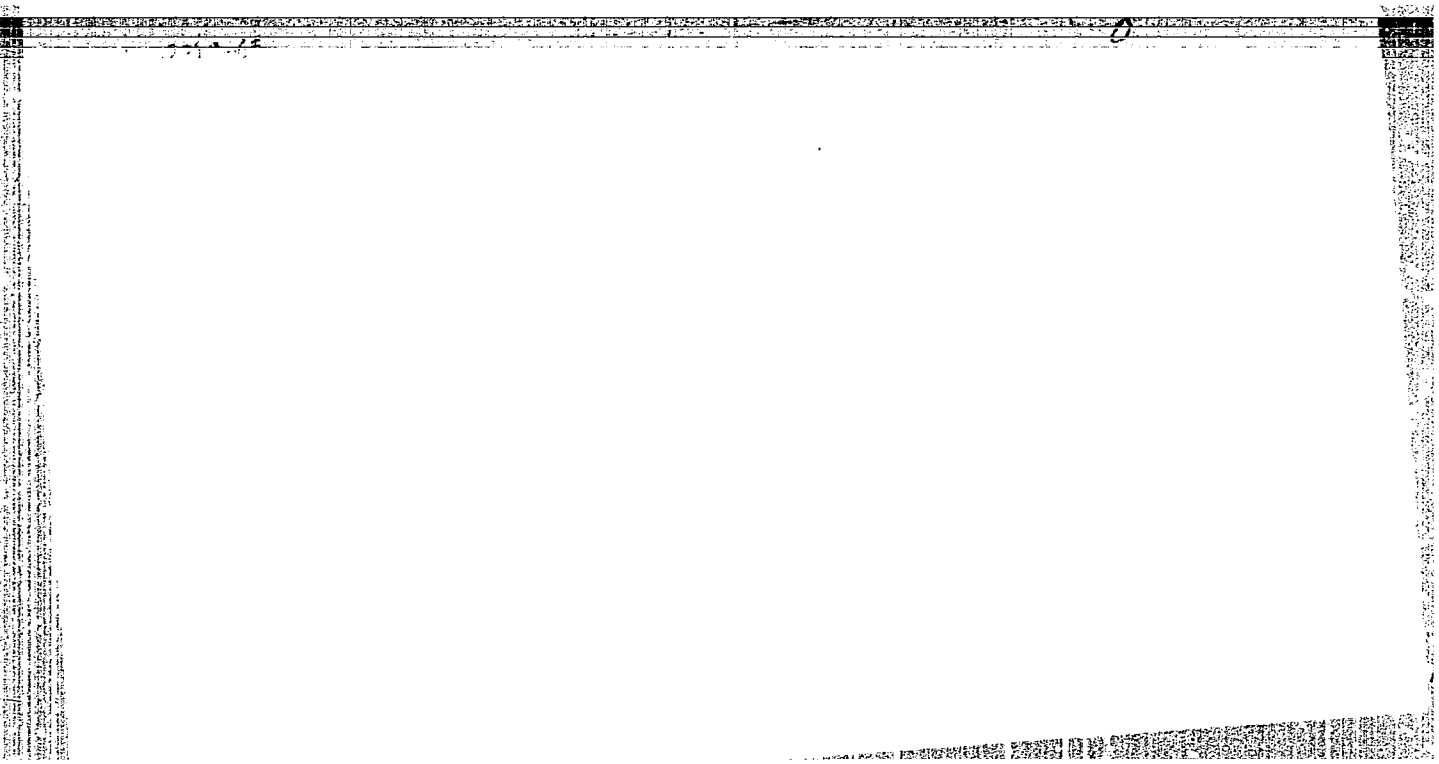
1. Toksikologicheskaya laboratoriya (zav.-doktor biologicheskikh nauk I.D. Gadaskina, nauchnyy rukovoditel' zasluzhennyy deyatel' nauki prof. N.V. Lazarev) Leningradskogo instituta gigiyeny truda i professional'nykh zabolevaniy.

(ANILINE DYES, effects,
on CNS in rabbits, minimum dose)
(CENTRAL NERVOUS SYSTEM, effect of drugs on,
aniline, minimum dose)



SAFRONOV, P., dotsent; ZAKARYUKINA, M., kand. med. nauk

Radiation sickness, its manifestation and treatment. Voen. zdrav. 41 no.2:30-31 F '65. (MIRA 18:3)



APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963510007-9"

ZAKALINSKIY, S.I., insh.

"Mine building in complicated mining geology conditions" by IA.K.Chukseeva. Reviewed by S.I.Zakalinskii. Shakht.stroi. 4 no.7:3 of cover. Jl '60. (MIRA 13:7)
(Mining engineering) (Mining geology)
(Chukseeva, IA.K.)

ZAKALINSKIY, S. I.

ZAKALINSKIY, S. I. -- "Investigation of Problems of the Development of Strata of Increased Thickness in the Basin near Moscow." Academy of the Coal Industry, Min Coal Industry USSR. Moscow, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

L 09134-67 EWT(m)/EWP(j) IJP(c) WW/JW/GD/RM
ACC NR: AT6032058 (A) SOURCE CODE: UR/0000/65/000/000/0056/0058

AUTHOR: Zakalinskiy, V. M. 55

ORG: None

TITLE: Use of a plexiglass model for studying the effect of blasting a cluster of adjacent pits

SOURCE: Moscow. Institut gornogo dela. Novaya tekhnologiya i sistemy podzemnoy razrabotki rudnykh mestorozhdeniy (New technology and systems of underground mining of ore deposits). Moscow, Izd-vo Nauka, 1965, 56-58

TOPIC TAGS: explosive charge, shock wave, mining engineering

ABSTRACT: A plexiglass model is used for studying the pattern of the destructive effect of an explosion and the interaction between shock waves and stress waves when a cluster of adjacent holes is blasted. The specimen used for simulating the elementary layer of rock was a plexiglass sheet measuring 700×600×25 mm with experimental conditions corresponding to explosion of charges in an infinite medium. Holes were drilled perpendicular to the broad side of the sheets and filled with PETN. Clusters of 2, 3 and 4 charges were exploded with distances between centers ranging from 2 to 14 pit diameters. The weight of the charge in a cluster of 4 pits each measuring 3 mm in diameter was 1.2 g. The same quantity of explosive was used in an isolated pit measuring

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6 mm in diameter. An individual pit in the cluster contained 300 mg of PETN. The charges in the cluster were exploded simultaneously. Photographs of the results are given. It was found that the proposed method of simulation may be used for a quantitative evaluation of blasting as well as for studying important qualitative characteristics of the interaction between shock waves and stress waves during explosion of clustered charges. Explosion of a charge in a cluster of holes with the optimum distance between pits (approximately $9d$ for plexiglass) results in the largest zone of destruction as well as the largest cracks. Studies conducted in cooperation with A. V. Bud'ko showed a new specific physical form in destruction of the medium during explosion of clustered charges: the formation of large oriented cracks in the medium radiating out from the corners of the charges in the cluster. The pits in the cluster may be located to control the shape of the zone of destruction and to form various types of crack systems, i. e. to control the effect of the explosive charge in a manner which is impossible with explosion of isolated pits of large diameter. Orig. art. has: 3 figures.

SUB CODE: 19/ SUBM DATE: 17Sep65

ZAKALINSKIY, V.M. (Moskva)

Investigating the breaking off of ores by concentrated borehole groups using an electrohydrodynamic analogy method. Izv. AN SSSR. Met. i gor. delo no.5:159-166 S-O '63. (MIRA 16:11)

BUD'KO, A.V. Prinimali uchastiye: BOGDANOV, G.I.; ZAKALINSKIY, V.M.; KRIVENKOV, N.A.; TOLOCHKO, M.K.; MALAKHOV, G.M., prof., doktor tekhn.nauk, redtsnzent

[Automation of stoping operations] Avtomatizatsiia ochistnykh rabot. Moskva, Izd-vo "Nedra," 1964. 133 p. (MIRA 17:6)

136-3-16/25

AUTHORS: Belogay, P. D., Galich, V.M. and Zakalyukin, I.S.

TITLE: Method of Fixing Filter Cloths onto Suction Filters. (Sposob krepleniya fil'trtkani na nutch-fil'trakh).

PERIODICAL: Tsvetnyye Metally, 1957, No.3, pp.77-78 (USSR)

ABSTRACT: This is a very brief illustrated description of a method used at the Davendinsk Works in which filter cloths in the form of rectangular bags are secured by the weight of a steel frame. Cloth changing takes 3 to 4 minutes. There is one figure.

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ASSOCIATION: Davendinsk Works. (Davendinskaya Fabrika)

AVAILABLE: Library of Congress

KADEN, N.N.; ZAKALYUKINA, T.P.

Morphology of the gynoecium anf fruit in borage and mint families.
Vest. Mosk. un. Ser.6: Biol., pochv. 20 no.3:31-41 My-Je '65.
(MIRA 18:7)

1. Kafedra vysshikh rasteniy Moskovskogo universiteta.

PETYUNIN, P.A.; ZAKALYUZHNYY, M.V.

Oxalic acid amides and hydrazides. Part 6: Oxaminoyl hydrazones and β-acylhydrazides of N-substituted oxaminic acids. Zhur. ob.khim. 34 no.7:2121-2125 '64 (MIRA 17:8)

1. Permskiy farmatsevticheskiy institut i Khar'kovskiy farmatsevticheskiy institut.

PETYUNIN, P.A.; ZAKALYUZHNYY, M.V.

Amides and hydrazides of oxalic acid. Part 4. Hydrazides of N-substituted oxamic acids. Zhur.ob.khim. 34 no.1:28-32 Ja '64.(MIRA 17:3)

1. Permskiy farmatsevticheskiy institut i Khar'kovskiy farmatsevticheskiy institut.

ACC NR: AP6021899 (A,N) SOURCE CODE: UR/0358/66/035/003/0370/0370

AUTHOR: Zakamyrdin, I. A.

ORG: Kazan Veterinary Institute (Kazanskiy veterinarnyy institut)

TITLE: Biological methods of insect control

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 3, 1966, 370

TOPIC TAGS: insect, disease vector, ~~pest~~ insect control, ~~biological method~~ bacteriology

ABSTRACT:

Bacillus thuringiensis, *Bac. dendrolimus* and *Chromobacterium* specimens were used to infect the nutrient media used in raising houseflies (*Musca domestica*). This method reduced the fly population. Mixing the cultures had no appreciable effect. A one-hundred percent kill of a *Culex modestus* colony occurred within 1—2 days when this method was used.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: 16Sep65/

Card 1/1 UDC: 632.937.15

ZAKAMSKIY, M., inzh.; POLYAKOV, A., inzh.

Following the experience of Moscow and Leningrad automobile workers. Avt. transp. 36 no. 6:51 Je '58. (MIRA 11:7)
(Motortrucks--Maintenance and repair)

LATATUYEV, V.I.; DENISOV, A.D.; PEDIKOV, O.I.; DORFMAN, E.M.; ZAKABUNINA, N.I.

Effect of certain salt additions on the rate of chemical nickel plating. Zhur. prikl. khim. 38 no.3:594-597 Mr '65. (MIRA 18:11)

1. Submitted April 26, 1963.

ZAKAMYRDIN, I. A. (Post-graduate Student), and ANDREYEV, K. P. (Prof)

"Hexamethylenebenzamid (hexamid B) - a New Repellant against Horseflies."

Veterinariya, Vol. 38, No. 6, 1961. p. 68

Zakamyrdin, I. A. - Post-graduate student) All-Union Scientific Research Institute of Veterinary Sanitation (VNIIVS)

NECHAYEV, A.A.; ZAKAMYRDIN, I.A.; LOGVIN, F.

Information and brief news. Veterinariia 40 no.3:92-96 Mr '63. (MIRA 17:1)

1. Zamestitel' nachal'nika Upravleniya veterinarii Ministerstva sel'skogo khozyaystva SSSR (for Nechayev).

ZAKAMYRDIN, I.A., aspirant

Effect of polychloropinene on the animal organism. Veterinariia 40 no.7:59-61 Jl '63. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.

(Pinene) (Veterinary hygiene)
(Insects baits and repellents)

ANDREYEV, K.P., prof.; ZAKAMYRDIN, I.A., aspirant

Hexamethylene benzamide (Hexamid B), a new repellent against horseflies. Veterinariia 38 no.6:68-69 Je '61. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.

(Horseflies) (Hexamid)

ZAKAMYRDIN, I.A., aspirant

Protection of livestock from bloodsucking dipterous insects.
Veterinariia 38 no.6:70-73 Je '61. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.
(Parasites--Cattle) (Insecticides)

ANDREYEV, K.P., prof.; ZAKARYADIN, I.A., aspirant

Polychloropinene emulsion for the protection of animals against bloodsucking insects. Veterinariia 37 no.8:79-83 Ag '60. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.

(Pinene) (Insects baits and repellents)

ZAKAMYRDIN, I. A. (Post-graduate student)

"An Experiment on the Protection of Cattle from Blood-sucking Dipterous Insects." (see also "Veterinariya", No. 8, 1960)

Veterinariay, Vol. 38, No. 6, 1961. p. 70

Zakamyrdin, I. A. - All-Union Scientific Research Institute of Veterinary Sanitation (VNIIVS)

FILATOV, G.V., KARTASHOV, P.A., MUSIN, M.I., ZAKAMYRDIN, I.A., UZAKOV, U.YA.

"_____Radiation _____in investigation of _____ absorption and _____out of _____organization of some insects."

(Approximate translation of title - documents blurred - unable to make out letters.)

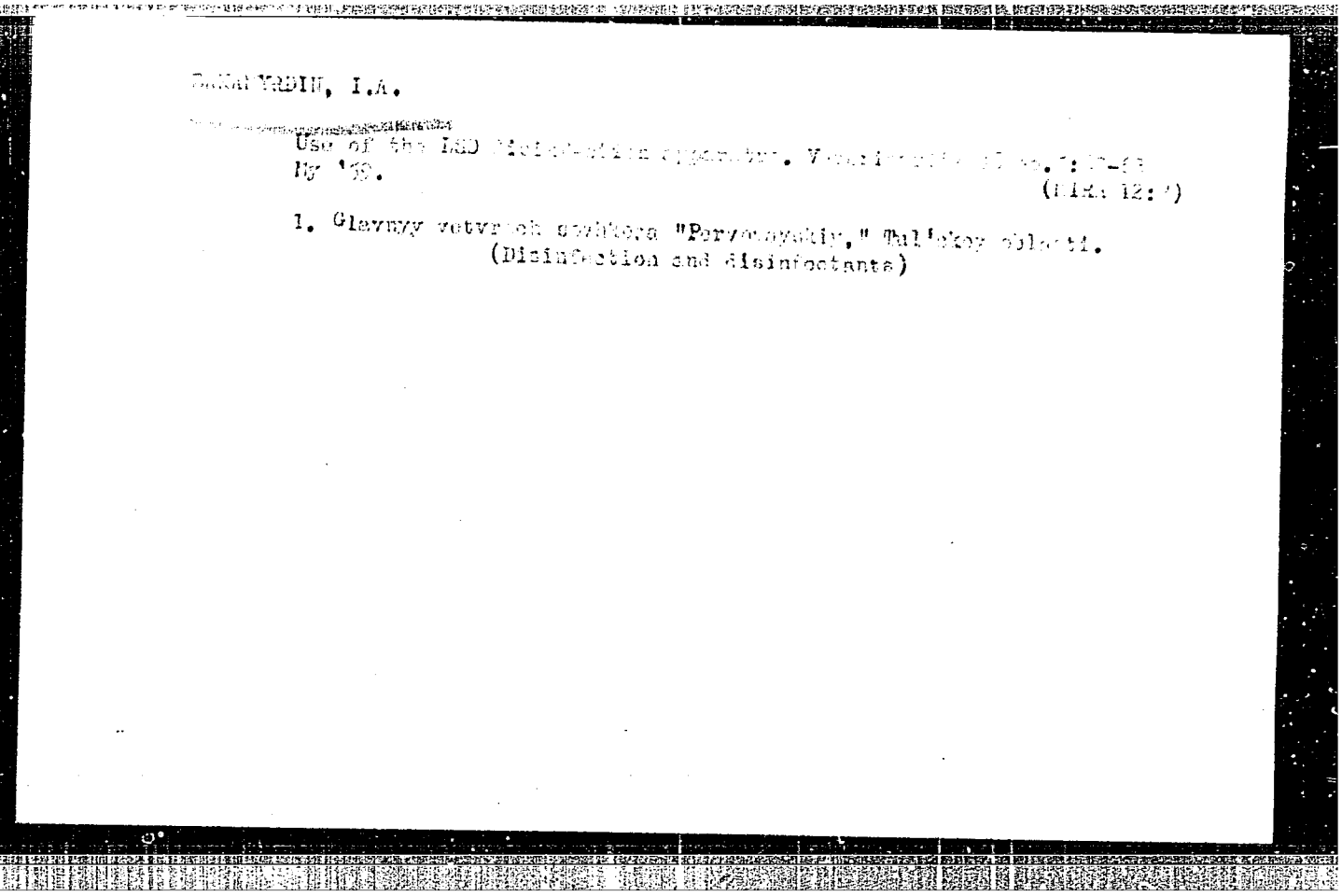
Report submitted to the Symp. on the Use and Application of Radioistopes and Radiation in the Control of Plant and Animal Insect Pests.
Athens, Greece 22-26 April 1963

ZAKAMYRDIN, T. A. and ANDREYEV, P. F.

"Polichlorpinen emulsion as a method of the struggle against blood-sucking insects."

Veterinariya, Vol. 37, No. 8, 1960, p. 79

Zakamyrdin - degreiant all-Union Sci-Res Inst Vet. Sanit



[illegible] YRDIN, I.A.

Use of the IKO [illegible]. [illegible]
My '59.
(MIRA 12:7)

1. Glavnyy vetvrach oblastnoy "Pervomayskiy," Tul'skoy oblasti.
(Disinfection and disinfectants)

GUDOVICH, N.V., kand. khim. nauk; OVCHARENKO, F.D., akademik, doktor khim. nauk; CHUGAY, O.D. [Chuhai, O.D.]; BORISOVA, T.S. [Borysova, T.S.]; CHORNOUS, D.G. [Chornous, D.H.]; ZAKANAVSKAYA, T.I. [Zakanavs'ka, T.I.]

Effect of the nature of filler surface on rubber strengthening. Khim. prom. [Ukr.] no.2:45-48 Ap-Je '63. (MIRA 16:8)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR (for Gudovich, Ovcharenko). 2. Kiyevskiy zavod "Chervoniy gumovik" (for Chugay, Borisova, Chornous, Zakanavskaya).

ZAKANDIN, Viktor Il'ich; BARSKIY, A.A., red.; PLESHANOVA, M.I., red.izd-va; PARAKHINA,N.L., tekhn. red.

[Technical and economic analysis of the cost of sawmill products] Tekhniko-ekonomicheskii analiz sebestoimosti piloproduktsii. Moskva,Goslesbumizdat, 1961. 113 p. (MIRA 15:4)

(Lumbering--Costs) (Sawmills)

ZAKANDIN, Viktor Il'ich; PEREL'MAN, Boris Borisovich; LIKHTGEYM, M.P., red.; MASLOV, N.A., red.izd-va; LAGUTINA, I.M., tekhn.red.; TOKER, A.M., tekhn.red.

[Economic accountability for job superintendents and foremen; practices of the Cherepovets Metallurgical Building Trust of the Ministry of Metallurgical and Chemical Plant Construction of the U.S.S.R.] Khozraschetnyi raschet proizvoditelia rabot i mastera na stroiuchastke; opyt raboty tresta Cherepovetsmetallurgstroi Ministerstva stroitel'stva predpriiatii metallurgicheskoi i khimicheskoi promyshlennosti SSSR. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1957. 59 p. (MIRA 11:5)
(Construction industry--Accounting)

ZAKANDYRIN, B.G., inzh.

Apparatus used for installing asbestos cement canopies in subway tunnels. Transp.stroi. 8 no.12:28 D '58.
(MIRA 12:1)

(Subways) (Asbestos cement)

PIKUL', V.S., kand.tekhn.nauk; ZAKAMDYRIN, B.G., inzh.

Using vacuum grips in building and assembling operations. Mekh. trud. rab. 11 no.12:45-46 D '57. (MIRA 11:3)
(Vacuum apparatus) (Hoisting machinery)

MAKOVSKIY, V.L., doktor tekhn.nauk; MARENNYY, Ya.I., kand.tekhn.nauk;
ZAKANDYRIN, B.G., inzh.

Using vacuum apparatus in tunneling. Transp. stroi. 8 no.2:19-21
F '58. (MIRA 11:2)
(Vacuum apparatus)
(Tunneling)

ZAKANDYRIN, B.G., inzh.

Vacuum detector for testing defects in welded seams. Transp. stroi. 8 no.9:30 S '58. (MIRA 11:10)
(Electric welding--Testing) (Vacuum apparatus)

ZAKANY, Laszlo, okleveles gepeszmernok

Up-to-date drying installations in the light industry. Ipari energia 1 no.5-6:97-102 N-D '60.

ZAKANY, L.

ZAKANY, L. Alteration of the drying equipment with glass plates in the Leather Factory at Simontornya; also, remarks by J. Vajda. p. 124.

Vol. 5, No. 6, Dec. 1955.
BOR- ES CIPOTECHNIKA.
SCIENCE
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

ZAKANY, L.

Continuous operation in the preparatory plants of rubber-shoe factories. p. 83, BOR- ES CIPOTECHNIKA (Boripari Tudomanyos Egyesulet ming a Magyar Tudomanyos Egyesuletek Szovetsege Tagegyesulete) Budapest, Vol. 6, No. 4, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

SARANY, I.

A new type of feeding assembly line in a stiching shop.

P. 37 (BOR-ES CIPOTECHNIKA) Budapest Vol. 7, No. 2, May 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11 November 1957.

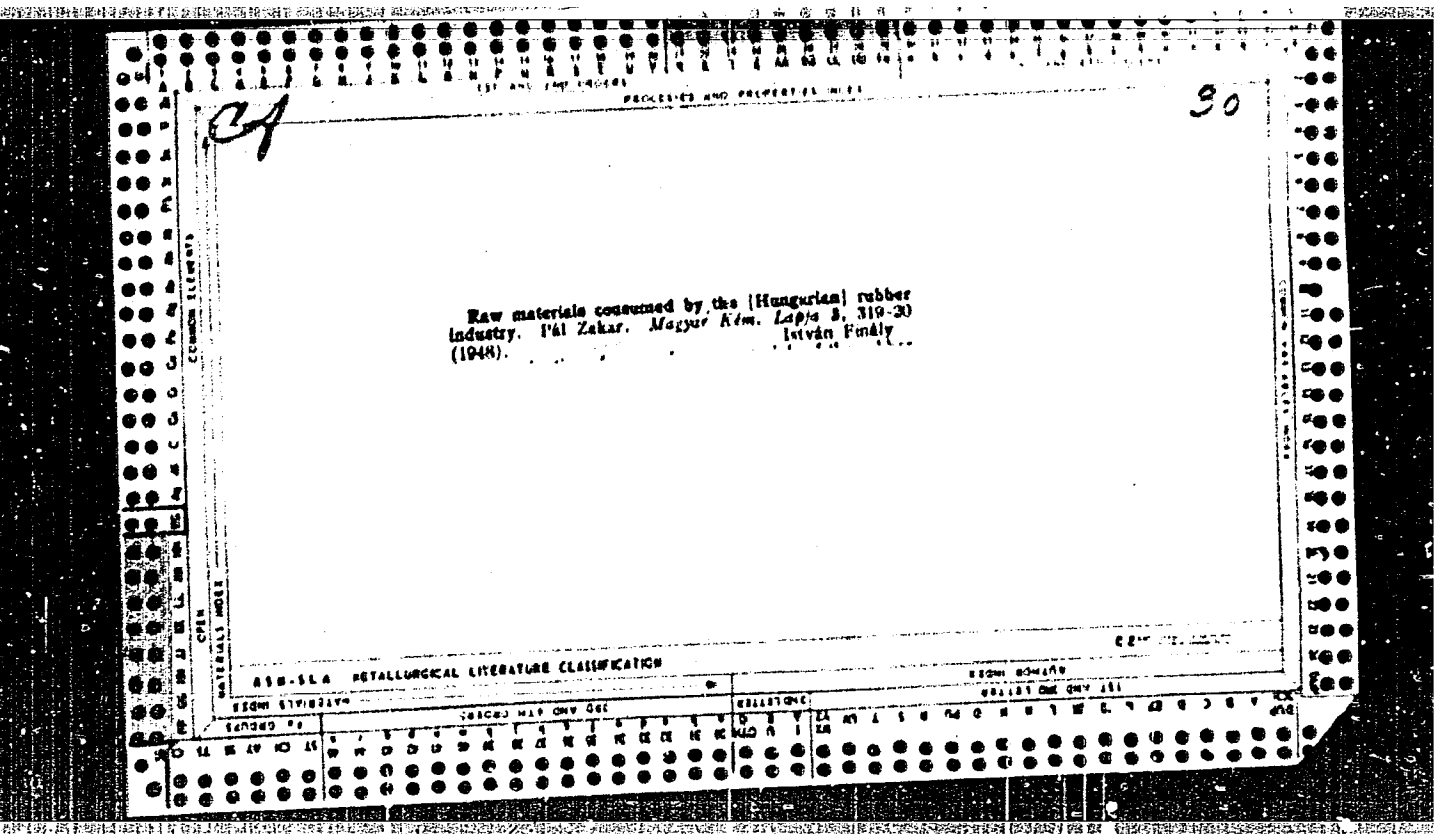
ZAKAR, Karolyne; LENDVAI, Ferenc

Individual or central dust extraction. Bor cipo 10 no.3:93-96 My'60

1. Duna Cipogyar.

ZAKAR, Karolyne; LENDRAI, Ferenc

Individual or centralized dust removal? Bor cipo 10 no.3:93-96 My '60.



Raw materials consumed by the [Hungarian] rubber industry. Pál Zakar. *Magyar Kém. Lapja* 3, 319-30 (1948). István Finály

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZAYER, P.

Crude oil and bitumen, raw materials at Hegylongyol. p. 440. (MAGYAR TECHNIKA, Budapest, Hungary), Vol. 9, No. 8, Aug. 1954.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955.

ZAHAR, P.

ZAHAR, P. Liquid and diluted bitumen at Nagylengyel. p. 211. [illegible]
KŐOLAJIPARI LAPJA. Budapest. Vol. 10, no. 7, July 1955.

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6 June 1956

ZAKAR, PAL

HUNGARY / Chemical Technology. Chemical Products and Their Application - Treatment of natural gases and petroleum. Motor and rocket fuels. Lubricants J-9

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5923

Author : Nyul Gyula, Vamos Endre, Zakar Pal

Inst : Not given

Title : Extraction Refining of Motor Oils. I. Rundamentals of Cresol Refining

Orig Pub : Magyar kemik lapja, 1955, 10, No 12, 366-369

Abstract : On refining with cresol (I) containing 5% water, oil of required viscosity is obtained with a 53% yield, at 50-40° (top and bottom, respetively) and an oil:solvent ratio 1:3.4. On using anhydrous I a temperature of 29-25° is sufficient (ratio 1:1.5, yield 44%). Analogous data were obtained with

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HUNGARY / Chemical Technology. Chemical Products and Their Application - Treatment of natural gases and petroleum. Motor and rocket fuels. Lubricants J-9

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5923

Abstract : I having a moisture content of about 1%. On using anhydrous I and introducing 8% water into the bottom of the column the yield is 59% at 22-21° with 1:3.3 ratio. Thus, if it is important to make maximum use of equipment it is more advantageous to use I with a moisture content of up to 1%; if a maximum yield of oil is desired -- to introduce water into the bottom of the column. On using anhydrous I an addition of 3% of water to the extract and maintaining at 20° for 24 hours can yield 9% of secondary product (of lower grade), and by adding 5% of water -- 32% of a product of very low grade.

Card 2/2

ZAKAR, P.

Mixing, packing, and transportation of bitumen. p. 100.
MAGYAR KEMIKUSOK LAPJA (Magyar Kemikusok Egyesulete) Budapest.
Vol. 11, no. 4, Apr. 1956.

SOURCE: EEAL, Vol. 5, no. 7, July 1956.

ZAKAR, PAL

HUNGARY / Chemical Technology. Chemical Products and Their Application - Treatment of natural gases and petroleum. Motor and rocket fuels. Lubricants J-9

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5929

Author : Zakar Pal

Inst : Not given

Title : Use of Nagylengyeli Bitumen

Orig Pub : Muszaki elet, 1956, 11, No 7, 21-23

Abstract : No abstract.

Card 1/1

ZAKAR, PAL.

A nagylengyeli nyersolaj; bitumen nyersanyag.

Veszprem, Hungary. 1954. 7 p.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

ZAKAR, Pal, okleveles vegyeszmernok; SIMON, Miklos, okleveles vegyeszmernok; VAJTANE KRALIK, Zsofia, dr., vegyeszmernok; VAJTA, Laszlo, dr., egyetemi tanar (Budapest); CSAGOLY, Jozsef, okleveles vegyeszmernok

Road building bitumens. Melyepitestud szemle 14 no.12:545-547 D '64.

1. Division Chief, Hungarian Mineral Oil and Natural Gas Experimental Institute (for Zakar). 2. Head, Asphelt Laboratory of the Road Research Institute, Budapest (for Simon). 3. Mineral Oil Quality Control Institute, Budapest (for Vajtane Kralik). 4. Concrete Road Building Enterprise, Budapest (for Csagoly).